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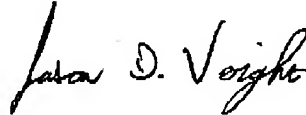
REMARKS

Claims 1-4 and 6-9 are pending.

Please charge any shortage in fees due in connection with the filing of this paper, including Extension of Time fees to Deposit Account No. 11-0345. Please credit any excess fees to such deposit account.

Respectfully submitted,

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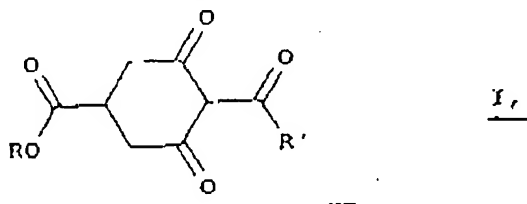
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

Amend the claims as follows:

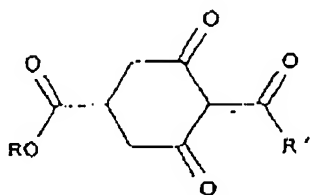
6. (amended) An extract, juice, wine or press cake with an increased qualitatively modified content of flavonoids and other phenolic constituents, [obtainable] obtained from grapes of a red grapevine variety, the grapevine plant previously having been treated with at least one acylcyclohexadione of the formula I [, II or III as set forth in claim 1]



where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

7. (amended) A curative composition, health promoting composition or tonic for humans or animals, or a cosmetic comprising the plant selected from grapevines, cherries, plums, sloes, blueberries, strawberries, citrus fruit, pawpaw, red cabbage, broccoli, Brussels sprouts, kale, carrots, parsley, celery/celeriac, onions, garlic, tea, coffee, cacao, maté, hops, soya, oilseed rape, [oats, wheat, rye,] *Aronia melanocarpa* or *Ginko biloba* or a part of the plant or a product prepared with the plant selected from juices, teas, extracts, fermentation products or fermentation residues, wherein said plant has been treated with the acylcyclohexanedione of [claim 1] formula I

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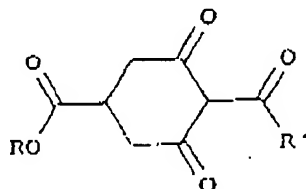
I,

where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or  
with a suitable salt of I.

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**COPY OF ALL CLAIMS**

1. A method of increasing and qualitatively modifying the content of flavonoids and phenolic constituents in a plant selected from grapevines, cherries, plums, sloes, blueberries, strawberries, citrus fruit, pawpaw, red cabbage, broccoli, Brussels sprouts, kale, carrots, parsley, celery/celeriac, onions, garlic, tea, coffee, cacao, maté, hops, soy, oilseed rape, *Aronia melanocarpa* or *Ginkgo biloba*, which comprises treating the plant with an acylcyclohexanedione of the formula I

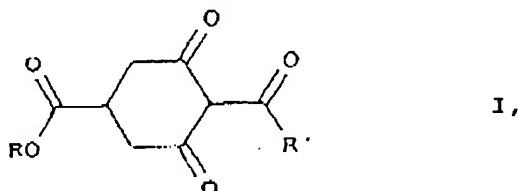


I,

- where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.
2. A method as claimed in claim 1, wherein the plants are treated with an acylcyclohexadione of the formula II and/or the formula III.
3. A method as claimed in claim 1, wherein the content of flavonoids and phenolic constituents of grapevines is increased and qualitatively modified.
4. A method as claimed in claim 1, wherein the content of flavonoids with an unsubstituted C atom in the 3-position, and of the oligomers and polymers of these flavonoids, is increased.
6. (amended) An extract, juice, wine or press cake with an increased qualitatively modified content of flavonoids and other phenolic constituents, obtained from

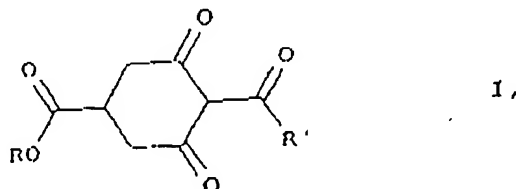
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grapes of a red grapevine variety, the grapevine plant previously having been treated with at least one acylcyclohexadione of the formula I



where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

7. (amended) A curative composition, health promoting composition or tonic for humans or animals, or a cosmetic comprising the plant selected from grapevines, cherries, plums, sloes, blueberries, strawberries, citrus fruit, pawpaw, red cabbage, broccoli, Brussels sprouts, kale, carrots, parsley, celery/celeriac, onions, garlic, tea, coffee, cacao, maté, hops, soya, oilseed rape, *Aronia melanocarpa* or *Ginko biloba* or a part of the plant or a product prepared with the plant selected from juices, teas, extracts, fermentation products or fermentation residues, wherein said plant has been treated with the acylcyclohexanedione of formula I



where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

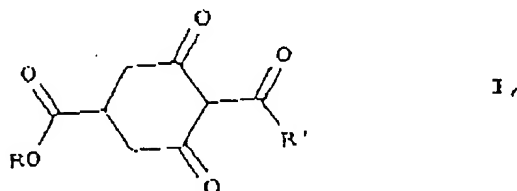
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8. A method as claimed in claim 1, wherein the plant is an apple plant.
9. A method as claimed in claim 1, wherein the plant is a grapevine.

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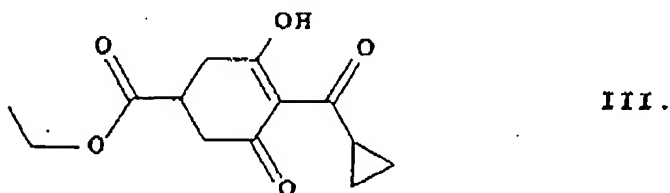
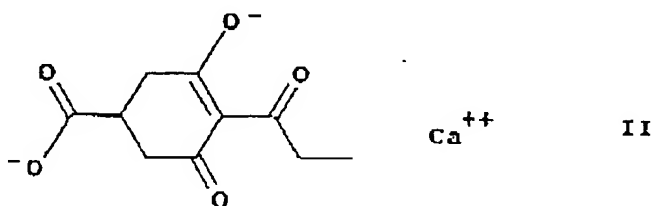
**COPY OF ALL CLAIMS**

1. A method of increasing and qualitatively modifying the content of flavonoids and phenolic constituents in a plant selected from grapevines, cherries, plums, sloes, blueberries, strawberries, citrus fruit, pawpaw, red cabbage, broccoli, Brussels sprouts, kale, carrots, parsley, celery/celeriac, onions, garlic, tea, coffee, cacao, maté, hops, soy, oilseed rape, *Aronia melanocarpa* or *Ginko biloba*, which comprises treating the plant with an acylcyclohexanedione of the formula I



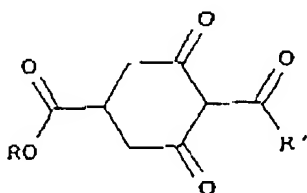
where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

2. A method as claimed in claim 1, wherein the plants are treated with an acylcyclohexadione of the formula II and/or the formula III



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3. A method as claimed in claim 1, wherein the content of flavonoids and phenolic constituents of grapevines is increased and qualitatively modified.
4. A method as claimed in claim 1, wherein the content of flavonoids with an unsubstituted C atom in the 3-position, and of the oligomers and polymers of these flavonoids, is increased.
6. (amended) An extract, juice, wine or press cake with an increased qualitatively modified content of flavonoids and other phenolic constituents, obtained from grapes of a red grapevine variety, the grapevine plant previously having been treated with at least one acylcyclohexadione of the formula I



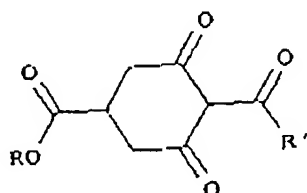
where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

7. (amended) A curative composition, health promoting composition or tonic for humans or animals, or a cosmetic comprising the plant selected from grapevines, cherries, plums, sloes, blueberries, strawberries, citrus fruit, pawpaw, red cabbage, broccoli, Brussels sprouts, kale, carrots, parsley, celery/celeriac, onions, garlic, tea, coffee, cacao, maté, hops, soya, oilseed rape, *Aronia melanocarpa* or *Ginko biloba* or a part of the plant or a product prepared with the plant selected from juices, teas, extracts, fermentation products or fermentation



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residues, wherein said plant has been treated with the acylcyclohexanedione of formula I



I,

where R is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl and R' is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, or with a suitable salt of I.

8. A method as claimed in claim 1, wherein the plant is an apple plant.
9. A method as claimed in claim 1, wherein the plant is a grapevine.